

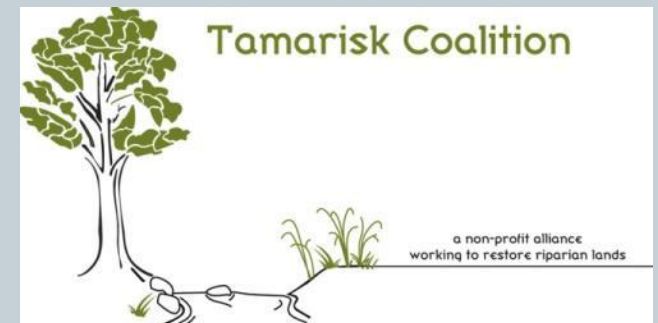
Native Plants for Riparian Restoration

*WITH EMPHASIS ON
THE DOLORES
RIVER*



Painting by Jim Leggitt

Shannon Hatch – Tamarisk Coalition
Colorado Plateau Native Plant
Program Meeting
3/20/2012



Tamarisk Coalition



The Tamarisk Coalition's mission is to provide education and technical assistance in the restoration of riparian lands.



- Watershed planning and restoration efforts
- Tamarisk Symposium and Research Conference
 - Volunteer program
- Complete inventory & mapping
 - Biological control monitoring
- Native plant materials program

Native Plant Materials Program

Programmatic Goals:

- Provide technical restoration and plant materials resources
- Provide training opportunities for public and private land managers and landowners
- Enhance communication and collaboration between suppliers and users of native plant materials



Making Connections

- Complement industry efforts to develop/distribute appropriate native plant materials
 - Help partners meet restoration goals in manner congruent with plant development timelines





Watershed Partnerships

- Arkansas River Watershed Invasive Plant Plan
- **Dolores River Restoration Partnership**
- **Escalante River Watershed Partnership**
- Middle Colorado River Watershed Partnership
- **Northwest Colorado Watershed Partnership**
- Southeast Utah Tamarisk Partnership
- San Juan Watershed Woody-Invasives Initiative
- Tackling Tamarisk on the Purgatoire
- **Verde Watershed Restoration Coalition**
- **Virgin River Southwestern Willow Flycatcher Collaborative**

Dolores River Restoration Partnership (DRRP)



The Partnership's Vision

The Dolores River watershed is dominated by native vegetation, where the threats from tamarisk and other associated invasive species have been mitigated and the riparian areas of the watershed continue to become more naturally functioning, self-sustaining, diverse, and resilient over time.



The Dolores River Restoration Partnership (DRRP) is a coalition of organizations working towards a thriving Dolores River system that is ecologically, socially, and economically sustainable in a multiuse context. The full DRRP meets twice a year with subcommittees meeting regularly around specific topics.



Scope:

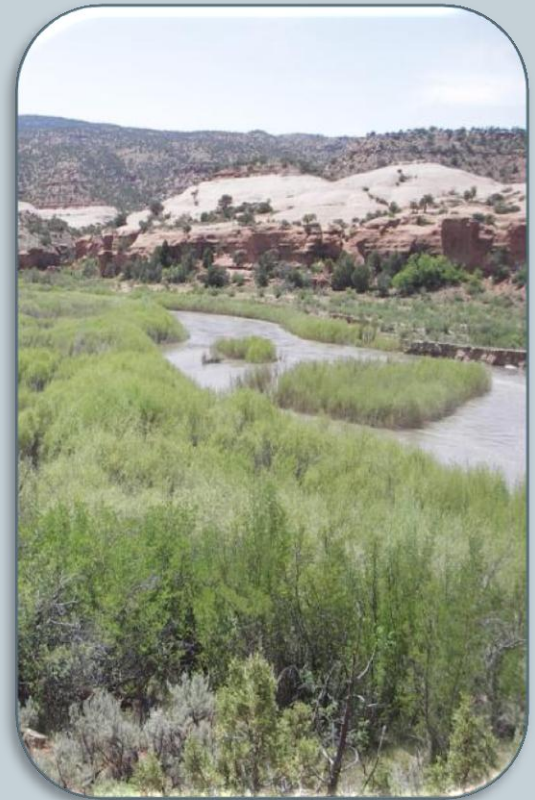
Restoration efforts are planned to occur on 2,050 riparian acres of the Dolores River from McPhee Dam to the confluence with the Colorado River (175 miles) by 2014 at an estimated cost of \$3.7M.

A Public-Private Partnership



Dolores River Restoration Key Partners

- Bureau of Land Management (Dolores, Montrose, Grand Junction & Moab Offices)
- State of Colorado
- Counties of Dolores, Montrose, San Miguel, Mesa & Grand
- The Nature Conservancy
- Tamarisk Coalition
- Walton Family Foundation
- Rocky Mountain Bird Observatory
- Southwest Conservation Corps
- Canyon Country Youth Corps
- Western Colorado Conservation Corps
- Natural Resources Conservation Service and Conservation Districts
- Colorado Division of Wildlife
- Utah Division of Wildlife Resources
- Colorado Department of Highways
- Other agencies and organizations as added in the future



DRRP Organizational Diagram - 2011



DRRP Five Year Goals



GOALS	Ecologic	Increase number of sustainable healthy riparian communities, decrease areas dominated by tamarisk and other invasive plants
	Social	Develop a competitive and professional workforce by employing youth
	Economic	Increase employment opportunities; improve cost benefit ratio for contractors and youth service corps; enhance visitor travel to area
	Management	Manage adaptively, incorporate education, attract additional funding, facilitate communication

Accomplishments to Date

- Signed MOU between 20 partners
- Over 700 acres of *both public and private* land have been treated for tamarisk, secondary weeds, and re-vegetated in various stages
- 90 young adults trained and engaged in many components of river restoration work
- 10 corps members placed in state or federal agency jobs as a result of experience gained on DRRP projects
- \$53,765 in AmeriCorps education awards for post secondary education
- 109 on-the-ground volunteer hours





OP Ranch

OP19-01 (middle)

9/7/2011



OP Ranch

OP19-01 (middle)

12/3/2011

Dolores River Plants

- Cottonwood plantation for poles




- Ecotype specific species



Cottonwood Pole Plantation

- Grow cottonwood poles for revegetation efforts on Dolores and Colorado Rivers
 - Locally sourced
 - Planted 1,000 cottonwoods fall 2011
 - Planting an additional 5,000 seedlings April 2012
- Local landowner/nursery involvement





Plant propagation and seed increase facility for plant materials sourced from the Upper Colorado Plateau.

The facility is being developed 16 miles from Moab on the Colorado River at the old Mayberry Orchard property.



Native Plant Materials Center at Mayberry **Rim to Rim Restoration in collaboration with** **Wildland Scapes**

In Progress/Planned

- Fenced container growing area
 - Two greenhouses
 - Cutting production area
- Small walk-in refrigerated area for storage/stratification
- Seed production/experimentation area

Native Plant Materials Center at Mayberry

Species to be
produced in a
variety of forms
including:
traditional
potted plants,
container and
bookflat
production, and
longstems

• Dolores River Specific Plants

- *Acer negundo*
- *Artemisia ludoviciana*
- *Atriplex canescens*
- *Celtis reticulata*
- *Chrysothamnus depressus*
- *Forestiera neomexicana*
- *Rhus trilobata*
- *Ribes aureum*
- *Salix gooddingii*
- *Salix lutea*
- *Shepherdia argentea*
- Grass & forb species



Longstem/Deep Planting Product Development

- Partnering with Upper Colorado Environmental Plant Center (UCEPC)
 - *Acer negundo*
 - *Baccharis salicina*
 - *Fraxinus anomala*
 - *Rhus trilobata*
 - *Ribes aureum*
 - *Ribes cereum*
 - *Rosa woodsii*
 - *Shepherdia argentea*



Plant Material Availability



Cottonwood Poles

All materials propagated from Dolores River collected cuttings/seed; seedlings installed at plantation located in Mack, CO. If all seedlings survive, there will be in excess of 5,000 mature poles available for cutting over the next several years. The first tentative cutting date is 2013, with successive cuttings occurring in 2014. Once stumps re-sprout, poles can be cut at three-year intervals, up to three cuttings.

Producer	Scientific Name	Common Name	Seedling #/ Propagation Form	Plantation Installation Date	Tentative 1st Cutting Date	Tentative 2nd Cutting Date
Wildland Scapes	<i>Populus fremontii</i>	Fremont cottonwood	1,000 from cuttings	Fall 2011	Fall/Winter 2013	Fall/Winter 2016
Wildland Scapes	<i>Populus fremontii</i>	Fremont cottonwood	1,000 from seed	April 2012	Fall/Winter 2014	Fall/Winter 2017
Los Lunas Plant Material	<i>Populus fremontii</i>	Fremont cottonwood	3,000 from from seed	April 2012	Fall/Winter 2014	Fall/Winter 2017
Total Poles			5,000 poles			

Purchase Information: Contact Stan Young @ 970.216.8112 (cell) or Shannon Hatch, Tamarisk Coalition @ 970.256.7400

Ecotype Specific Shrub Species

Products to be grown in a variety of container sizes; approximately 3,000 species total will be propagated. Plant materials (seed, cuttings) collected from Dolores River watershed and other nearby regional watersheds. Focus remains on the production of drought tolerant stock (i.e. longstem and tallpots); however, other materials (tubes and #1) will also be made

Producer	Scientific Name	Common Name	Propagation Date*	Longstems/Tallpots Available**	Longstem/Tallpot Cost	Tubes/1 gal.Pots Available
Wildland Scapes	<i>Acer negundo</i>	box elder	Spring 2012*	Spring 2014 (ls)	\$15 each	Mid-summer/fall 2012*
Wildland Scapes	<i>Artemisia ludoviciana</i>	white sagebrush	Spring 2012	Spring 2014 (tp)	\$15 each	Mid-summer/fall 2012
Wildland Scapes	<i>Atriplex canescens</i>	four-wing salt bush	Spring 2012	Spring 2014 (ls)	\$15 each	Mid-summer/fall 2012
Wildland Scapes	<i>Celtis reticulata</i>	netleaf hackberry	Spring 2012	Spring 2014 (ls)	\$15 each	Mid-summer/fall 2012
Wildland Scapes	<i>Chrysothamnus depressus</i>	dwarf rabbitbrush	Spring 2012	Spring 2014 (tp)	\$15 each	Mid-summer/fall 2012
Wildland Scapes	<i>Forestiera neomexicana</i>	New Mexico olive	Spring 2012	Spring 2014 (ls)	\$15 each	Mid-summer/fall 2012
Wildland Scapes	<i>Rhus trilobata</i>	three-leaf sumac	Spring 2012	Spring 2014 (ls)	\$15 each	Mid-summer/fall 2012
Wildland Scapes	<i>Ribes aureum</i>	golden current	Spring 2012*	Spring 2014 (ls)	\$15 each	Mid-summer/fall 2012*
Wildland Scapes	<i>Salix gooddingii</i>	Goodding's willow	Spring 2012	Spring 2014 (ls)	\$15 each	Mid-summer/fall 2012
Wildland Scapes	<i>Salix lutea</i>	yellow willow	Spring 2012	Spring 2014 (ls)	\$15 each	Mid-summer/fall 2012
Wildland Scapes	<i>Shepherdia argentea</i>	silverleaf buffaloberry	Spring 2012*	Spring 2014 (ls)	\$15 each	Mid-summer/fall 2012*

* Started species may not be in production by March 2012 due to seed/cutting availability

** Riparian species to be grown as longstems (ls); upland species to be grown in tallpots (tp)

Purchase Information: Contact Wildland Scapes @ 435.259.6670

Want to learn more about the DRRP?



A PUBLIC - PRIVATE COLLABORATION

The Dolores River Restoration Partnership (DRRP) is a working towards a thriving Dolores River system that economically sustainable in a multiuse context. The with subcommittees meeting regularly around specif

[CONTACT US/GET INVOLVED](#) [DRRP PARTNERS](#) [LEARN MORE](#) [PUBLICITY](#) [DRRP FULL PARTNERSHIP](#)



DRRP Core Team

Implementation Subcommittee

Funding Subcommittee

Grazing Management Subcommittee

Outreach/Education Subcommittee

Private Lands Subcommittee

Science & Monitoring Subcommittees

The Partnership's Vision

The Dolores River watershed is dominated by native vegetation, where the threats from tamarisk and other associated invasive species have been mitigated and the riparian areas of the watershed continue to become more naturally functioning, self-sustaining, diverse, and resilient over time.

About the Partnership

The Dolores River Restoration Partnership formed in 2008 on the Dolores River and is a five-year effort (see list of partners). The project area is from McPhee Reservoir to the confluence with the Colorado River and covers more than 4,600 square miles. The Dolores River was selected because there are rare, riverside plan communities and a need for restoration to help native fish populations. The river is a significant tributary to the Colorado River and collaborative conservation can be demonstrated on a large-scale landscape. You can find the rest of the story at the [Bureau of Land Management](#).



The BLM Resource Advisory Council (RAC) enjoys a day learning about the DRRP in November.

DRRP Full Partnership Meeting is Around the Corner

Meeting in spring in Moab sounds pretty nice, doesn't it? So, please remember March 20th in Moab, Utah will be the venue for the next full DRRP meeting. The main themes of this meeting will be educating everyone about the implementation plans for 2012 and developing a clear vision for the DRRP after the initial five-year project period. A hike will precede the meeting which will be from 10:00 a.m. to 4:00 p.m. There will also be a special announcement regarding an award the DRRP won late in 2011 from the Public Lands Foundation! Be looking for a detailed announcement the week prior but please mark those calendars now.



DOLORES RIVER RESTORATION DAY

Are you passionate about western rivers and enjoy being outside in remote red-rock canyons? Then please join us for a restoration revegetation day on the banks of the Dolores River! We will plant a variety of native plant species and help the BLM maintain and care for this special place. This volunteer day is perfect for the whole family!

When: Saturday, March 24th 9 am - 4 pm
Where: 4.10 Rd. Gateway, CO/UT (details with RSVP)
Important: RSVP REQUIRED! The event is in a remote area, carpool options are available. Primitive camping is permitted in the area.
We provide: Bagels and Coffee in the morning, All required tools/supplies
You bring: personal water, lunch, and snacks, appropriate clothing for early spring field work.
RSVP: Bill - 970.256.7400 or wcooper@tamariskcoalition.org

VOLUNTEER!

**Saturday
March 24th, 9am – 4pm**

Gateway, Colorado

RSVP required

call Bill @970.256.7400 or email @
wcooper@tamariskcoalition.org for
more information



We inspire people to plant,
nurture, and celebrate trees.